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Comments of Proposals on Chemical Catalysis for us-Soviet Exchange Program 1. He orbject exchanges run the gament from extremely bosic to applied and somewhat empirical approach. Although the Somet activity in catalytic though is predictable and improving, their industrial exploitation of catalots in general and petroleum processing cetaliste in Derticular leaves muchto the dished. 2. Proposel I, "Cetalysis by Cordination Compound" is a field which is fairly active in both countries. He Soviet work in fixation of atmospheric nitrogen and carbon liveride and rections with seturated by divarbons could be of Considerable Remie importance The Segue of interest Approved For Release 2001/03/03: CIÁ-RDP79-00798A000300910019-4

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in the exchange is probably significant by both pather. This is one of the two wees within the person ky the proposed exchanges where the us can donibly gain technologically. 3. Proposel II, Belationship Between Homogeneous and Actingenieses Catalysia, This exchange would probetly be of mutual benefit to both the War as 255R. However, I is not felt that there would result = "substential practical benefits" as cited in the preparal His exchange would allow both 45 and 45 get to systemitize development of more efficient cettigets that

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4. Proposal III - Claracterization of Catalytic meterals by the Wew distrimental nettols. The endage hould be of greet interest to the Soviets and would expose to they the latest us electronic confinents, legion and pedlaging. His would entail some security nick the scope of this Archange would be incomposed to some Elgre in Proposels I and II. De for the broadlering of the use of the new instruments by the is this is a completely independent consideration and the endange is not a proper wedness to complish this.

by Chemical Physical Methods, This havis survey would be of considerable substantive information to Let countries and Approved For Release 2001/03/03: CIA-RDP79-00798A000300010019-4

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showed interest. The only problem might be the advanced us instruments which could give the Soviets strategic information technology, escited in paragraph 4. above.

6. Perposel I - Ung Synchrotron Rediction for X-ray Bloth-station Spectroscopy. This very have exchange would result in herefits to hoth Countries. By performing wordinated research using the very exposion facilities morolved, further insightinto the characteristing catalysts would be obtained. In degree of interest in this exchange would be great in view of the Approved For Release 2001/03/03: CIA-RDP79 00798 A000300010019-4